CVP-601

DIGITAL PIANOS

Play along with a backup band. Use the guide function to learn new songs.
Clavinova makes discovering and exploring music easy.

The CVP-601 uses the RGE Sound Engine for powerful expressive capabilities and the GH3 keyboard to provide grand piano touch. It includes a full complement of core piano functions that facilitate true piano performance. Accompaniment Styles let you play along with virtual bands in numerous genres including rock and jazz. Change the Style and you can perform the same piece with a completely different mood. It also features Guide Lamps that show you the next key to play while displaying the music on the screen. The CVP-601 makes things easy, even if you are playing piano for the first time.

Kenmerken

"Real Grand Expression" Sound, touch, pedals–perfectly integrated to give you the sensation of playing a grand piano.

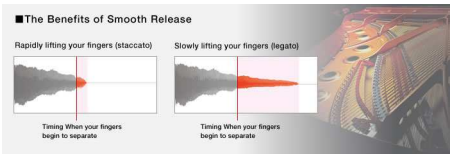
Real Grand Expression

By harmonizing the three key elements of sound, touch and pedals in a single piano, the CVP Series gives you the feeling that you are playing a grand piano.

Achieves grand piano performance…and more.

Kenmerken

The RGE Sound Engine delivers the ultimate expressive capability.


■The Benefits of Smooth Release
Rapidly lifting your fingers (staccato)
Slowly lifting your fingers (legato)
Timing When your fingers begin to separate
Timing When your fingers begin to separate

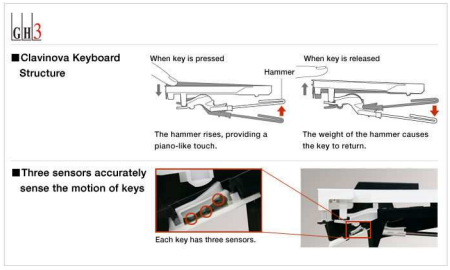
The Clavinova uses the RGE (Real Grand Expression) Sound Engine,the next-generation piano sound source. This lets you enjoy the playing response and expressive capability of a concert grand piano.

It features a new Smooth Release function which can express sound with great clarity, and clearly enunciate staccato notes with the sound of lingering resonance heard when gently lifting your fingers from the keys. It succeeds in capturing the essence of a piano performance to create grand piano-like, richly expressive experiences.

Subtly reproduces resonance with the depth you hear from an acoustic piano.

Clavinova subtly reproduces even the unique resonances of an acoustic piano. It features String Resonance that expresses the mellow sounds of the other strings resonating, and Key-Off samples that actually deliver the delicate change in sound the instant the damper touches the string, just before you raise your finger from the key. The addition of these sounds results in tonal resonances that are not only beautiful, but also deep and rich.

The GH3 (Graded Hammer 3) keyboard faithfully reproduces the touch of a grand piano.


GH3
■Clavinova Keyboard Structure
When key is pressed
Hammer
When key is released
The hammer rises, providing a piano-like touch.
The weight of the hammer causes the key to return.
■Three sensors accurately sense the motion of keys
Each key has three sensors.

The touch of the Clavinova keyboard has been praised by pianists for a performance feel that makes you forget it's a digital piano. The secret behind this superior touch is the same hammering system and spring-less mechanism as a grand piano. Depending on the weight of the hammer, the force of your touch and the natural key return when you release it, the Clavinova faithfully reproduces the keyboard touch of an acoustic piano from the heavy feel in the lower range to the light feel in the higher range. Also important is Yamaha's unique three-sensor system, which accurately senses and interprets the behavior of the keyboard, just like a grand piano.
When playing continuously or with a light trill, techniques used in many pieces such as Für Elise, you can play with a bright, vivid feel.

Wide variety of Voices for amazingly realistic instrumental sounds.

The CVP Series provides many instrument Voices, in addition to piano.

Have fun playing different sounds, and producing the expressiveness unique to each instrument.

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Super Articulation Voices reproduce true effects, as if you are playing that actual musical instrument.

This amazing technology intelligently recreates the authentic performance characteristics of acoustic instruments, such as guitar fret noises and slides or the breathing of a sax player. They are then blended perfectly into your performance. Select any of the many Voices and enjoy an enhanced feeling of realism, as if that instrument was actually being played. These automatically enhance your lead lines with the characteristic articulations of the original instruments, with no special playing techniques required.

Play along with any number of virtual bands where you're the band leader.

Accompaniment Styles let you play along with virtual bands in numerous genres including rock and jazz. Change the Style and you can perform the same piece with a completely different mood.

Music Finder

Music Finder is useful when you can't decide on the right Style or a Voice for ensemble performance. All you have to do is choose the name of the song you want to play and the CVP will call up the proper settings so you can get playing right away.

Style Recommender

Style Recommender allows you to quickly find a Style that suits the way you want to play. Just play a bar or two of a simple rhythm, and a list of Styles that match it will be displayed.

Guide functions to support your performance.

On-Screen score display shows you what to play and when.

Follow along with the bouncing ball shown on the score as you play, to be sure of never losing your place.

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Enjoy performing − even if you're just starting out.

The guide lamps wait until you play the correct note, so you can practice at your own pace.

Piano Room: your choice of piano and location.

The CVP-601 offers a great new feature called Piano Room that you can use when you really want to concentrate on piano performance and savor the piano sound. You can select from among three types of pianos - grand, pop grand and honky-tonk - and also a playing location, such as concert hall, cathedral or stage. Instantly, the tone quality changes to match that piano and place, giving your performance a totally different feel. When you're playing the grand piano or pop grand, you can even choose to have the "virtual" piano lid open or closed.

Discover new ways to enjoy music.

Apps

If you use an iPad, iPhone or iPod touch, Yamaha apps will make playing more convenient and enjoyable. Play a song and easily set the ideal Voice and accompaniment Style. Record your own performance and share it with a friend. Check out the apps and find the ones that meet your needs.

Note:
- Some apps require a connection to your instrument. To use apps connectivity, a wired connection (such as Yamaha i-MX1) is necessary.
- The CVP-601 does not offer wireless connectivity.

Online Services

Visit our Yamaha MusicSoft online store to browse thousands of playalong songs designed to help you play your favorite songs by your favorite artists, following the notes and chords you play on your keyboard. A diverse collection of accompaniment Styles put a professional band at your fingertips. Styles are great for practice or performances, and are a handy songwriting tool as well!

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Other Features

Other Features

LCD is easy to see and understand.

Musical notation and text are clearly displayed on a large screen, making the many functions easier to use. The screen not only shows the musical notation, it can display lyrics and chords.

USB Audio for recording your own performance.

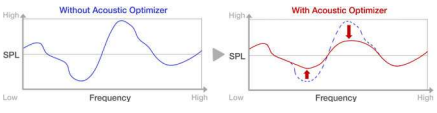
The USB Audio Recorder* to record your performances on a USB flash memory for storage on your PC. This lets you compare two different performances to gauge your progress, or listen to them on a portable music player.

* Stored in WAV format.

"Intelligent Acoustic Control" provides a full, balanced sound with rich lows and clear highs even at low volumes.

Volume adjustment is convenient for playing at home, where sometimes others may prefer you to play softly. You've probably experienced the fact that when the volume is low, it is difficult to hear treble and bass. On a Clavinova, however, the Intelligent Acoustic Control (IAC) automatically adjusts the sound, so you enjoy proper sound balance even at low volumes. Additionally, the volume dial automatically makes fine adjustments to the overall sound of the speaker system (EQ) at low volume. This ability to adjust volume without losing the rich and balanced sound is an exclusive Yamaha benefit, ensuring you always play with the utmost sound quality.

Yamaha's latest sound engineering technology, "Acoustic Optimizer".



The "Acoustic Optimizer" system has been created to enrich and control resonance by physically adjusting the flow of sound waves, thanks to its design and positioning within the instrument. The combination of Acoustic Optimizer and digital technologies gives the CVP Series an incredible expressive capability.

Specificaties

Size/Weight		
Dimensions	Width	1352 mm (53-1/4") | polished finish: 1355 mm (53-3/8")
	Height	918 mm (36-1/8") | polished finish: 921 mm (36-1/4")
	Depth	595 mm (23-7/16") | polished finish: 596 mm (23-7/16")
Weight	Weight	58 kg (127 lbs., 14 oz.) | polished finish: 61 kg (134 lbs., 8 oz.)

Control Interface		
Keyboard	Number of Keys	88
	Type	Graded Hammer 3 (GH3) Keyboard
	Touch Sensitivity	Hard2/Hard1/Medium/Soft1/Soft2
Pedal	Number of Pedals	3
	Half Pedal	Yes
	Functions	Sustain, Sostenuto, Soft, Glide, Song Play/Pause, Style Start/Stop, Volume, etc.
Display	Type	Monochrome LCD
	Size	4.6 inch (320 x 240 dots QVGA)
	Color	Monochrome
	Score Display Function	Yes
	Lyrics Display Function	Yes
Panel	Language	English

Cabinet		
Key Cover	Key Cover Style	Sliding
Music Rest		Yes

Voices		
Tone Generation	Stereo Sustain Samples	Yes
	Key-off Samples	Yes
	String Resonance	Yes
Polyphony	Number of Polyphony (Max.)	128
Preset	Number of Voices	387 Voices + 22 Drum/SFX Kits + 480 XG Voices + GM2 +
		GS (for GS Song Playback)
	Featured Voices	12 Super Articulation Voices, 9 Mega Voices, 6 Natural! Voices, 12 Sweet! Voices, 24 Cool! Voices, 25 Live! Voices, 10 Organ Flutes! Voices
Custom	Voice Edit	Yes
Tone Generation	Smooth Release	Yes
	Damper Resonance	Yes
Compatibility		XG, XF, GS□for Song Playback□, GM, GM2
Tone Generation	Piano Sound	RGE (Real Grand Expression)

Specificaties

Effects		
Types	Reverb	44 Preset + 3 User
	Chorus	71 Preset + 3User
	DSP	DSP 1: 295 Preset + 3 User DSP 2-4: 130 Preset + 10 User
	Master EQ	5 Preset + 2 User
	Part EQ	27 Parts
Accompaniment Styles		
Preset	Number of Preset Styles	257
	Featured Styles	204 Pro Styles, 17 Session Styles, 36 Pianist Styles
	Fingering	Single Finger, Fingered, Fingered On Bass, Multi Finger, AI Fingered, Full Keyboard, AI Full Keyboard
	Style Control	INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3
Custom	Style Creator	Yes
Other Features	Music Finder	1,200 Records
	One Touch Setting (OTS)	4 for each Style
File Format		Style File Format GE (Guitar Edition)
Other Features	Style Recommender	Yes

Songs		
Recording	Number of Tracks	16
	Data Capacity	approx. 300KB/Song
	Recording Function	Yes
Compatible Data Format	Playback	SMF (Format 0 & 1), ESEQ, XF
	Recording	SMF (Format 0)
Preset	Number of Preset Songs	65

Specificaties

Functions		
Registration	Number of Buttons	8
	Control	Registration Sequence, Freeze
Lesson/Guide	Lesson/Guide	Follow Lights, Any Key, Karao-Key, Your Tempo
	Guide Lamp	Yes
	Performance Assistant Technology (PAT)	Yes
USB Audio Recorder	Playback	.wav
	Recording	.wav
Demo		Yes
Miscellaneous	Dual/Layers	Yes
	Split	Yes
	Metronome	Yes
	Tempo Range	5 - 500, Tap Tempo
	Transpose	-12 – 0 – +12
	Tuning	414.8 – 440 – 466.8 Hz
	Intelligent Acoustic Control (IAC)	Yes
Piano Room		Yes
Miscellaneous	Scale Type	9

Storage and Connectivity		
Storage	Internal Memory	approx. 2.8 MB
	External Drives	Optional USB Flash Memory (via USB to DEVICE)
Connectivity	Headphones	× 2
	MIDI	In/Out/Thru
	AUX IN	Stereo Mini
	AUX OUT	(R, L/L + R)
	AUX Pedal	Yes
	USB TO DEVICE	Yes
	USB TO HOST	Yes

Amplifiers and Speakers	
Amplifiers	25 W x 2
Speakers	16 cm x 2
Acoustic Optimizer	Yes

Power Supply	
Power Consumption	20 W

Accessories	
Accessories	Owner's Manual, Data List, “50 Greats for the Piano” Music Book, My Yamaha Product User Registration, AC Power Cord, Bench (included or optional), Holder Set